

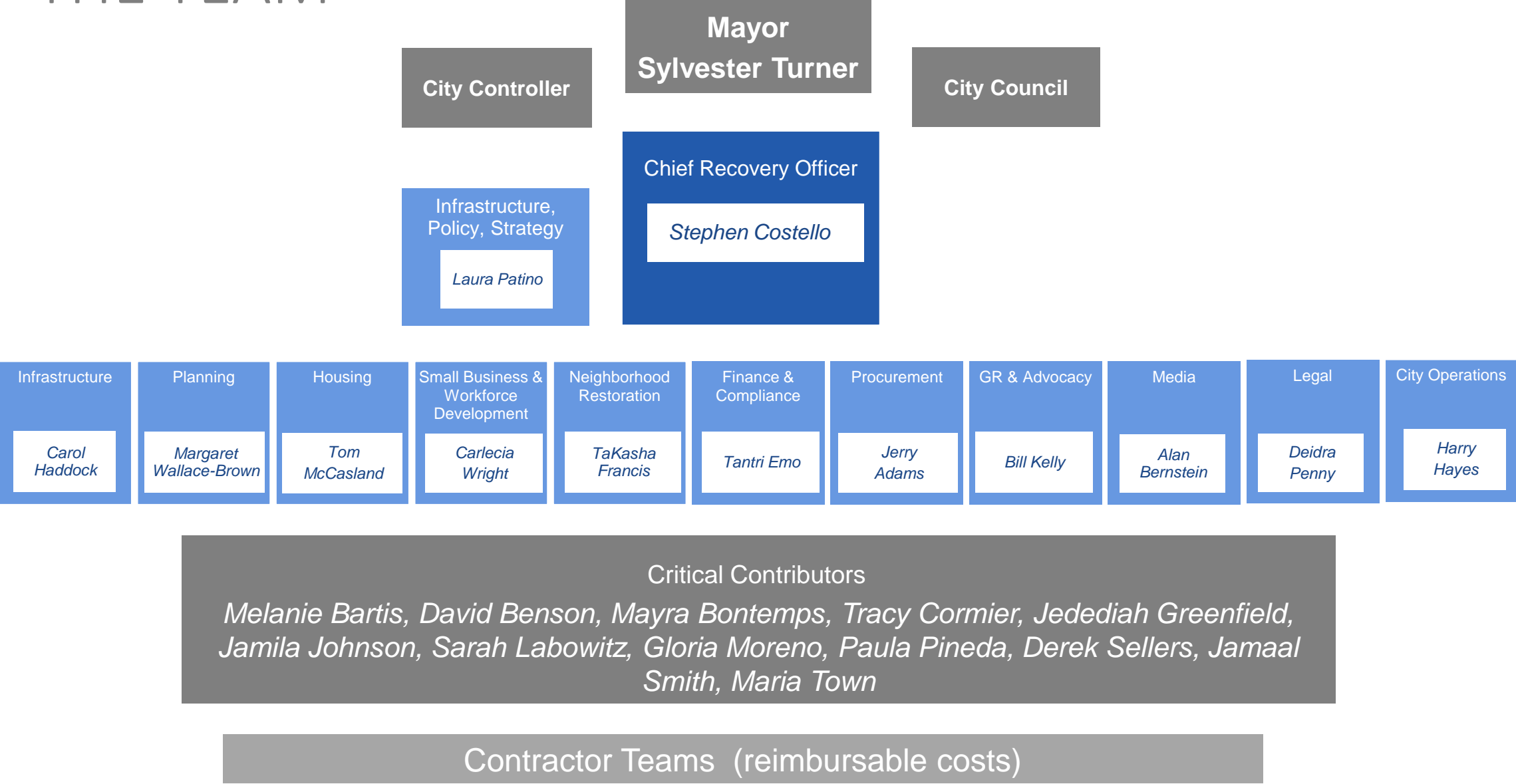


# Hurricane Harvey Recovery: A Progress Report Steps Towards Implementation

Stephen C. Costello, P.E  
Chief Recovery Officer  
February 2019



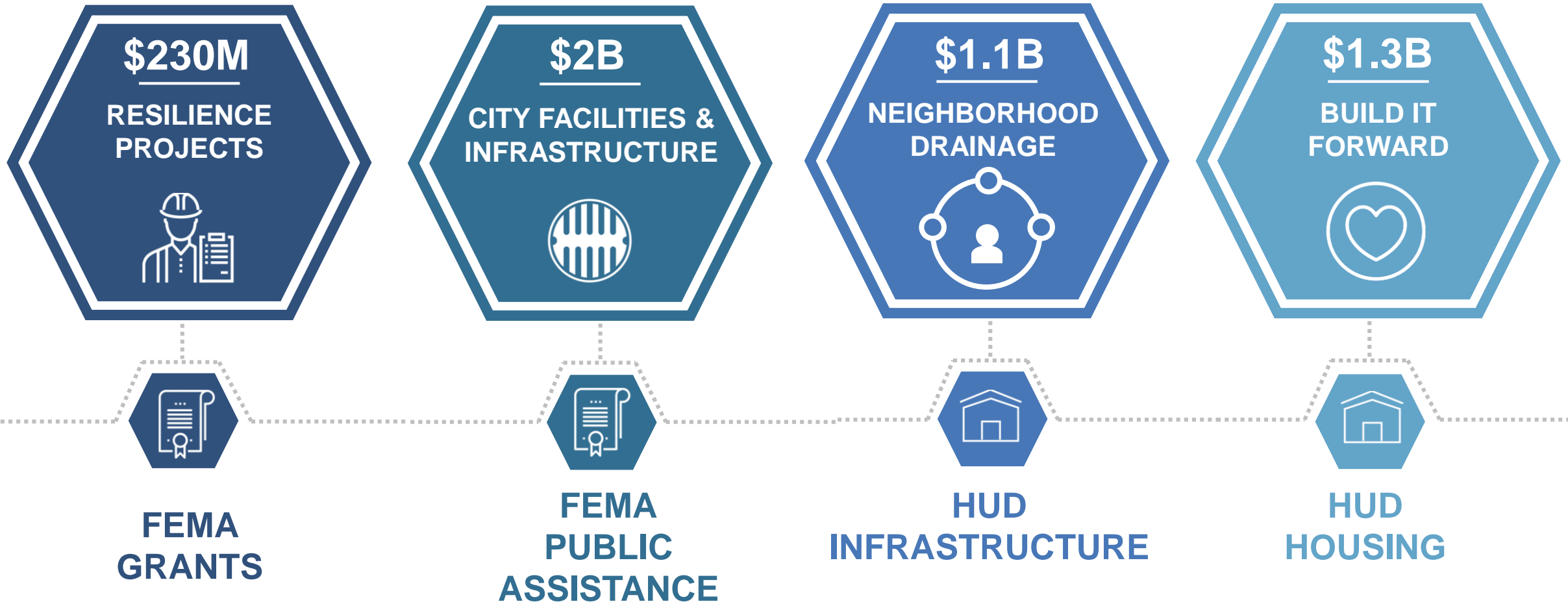
# THE TEAM



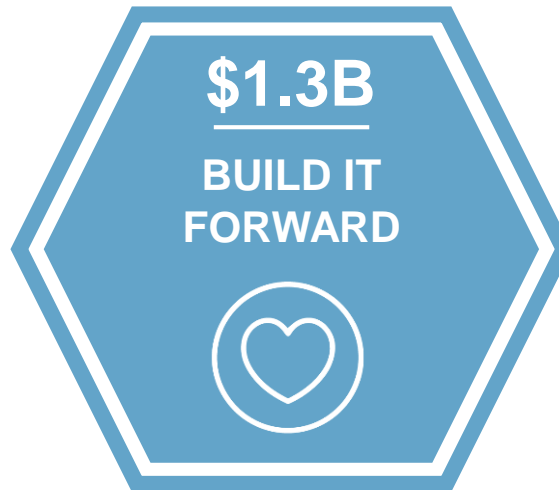
# OUR PATH TO...



# RECOVERY PROGRAMS\*



\*a \$280M local match is required & requested through the Texas Rainy Day Fund



**HUD  
HOUSING**



# HOUSING RECOVERY PROGRAMS

## Local Action Plan priorities

- 1) build back into existing homes
- 2) build forward into new opportunities



Program guidelines approved



Program guidelines pending

\*

Program under review

PROGRAM	AMOUNT
Homeowner Assistance Program <sup>+</sup>	\$427.9 M
New Single-Family Development Program●	\$222.3 M
Multifamily Rental Program <sup>+</sup>	\$350 M
Small Rental Program <sup>+</sup>	\$66.7 M
Homebuyer Assistance Program <sup>+</sup>	\$23.7 M
Buyout Program*	\$40.8 M
Public Services <sup>+</sup>	\$60 M
Economic Revitalization Program●	\$30.3 M
Planning	\$23.1 M
Housing Administration	\$31.1 M
<b>Total</b>	<b>\$1.3 B</b>





# Housing and Community Development

**Local Action Plan priorities and budget: 1) build back into existing homes, 2) build forward into new opportunities**

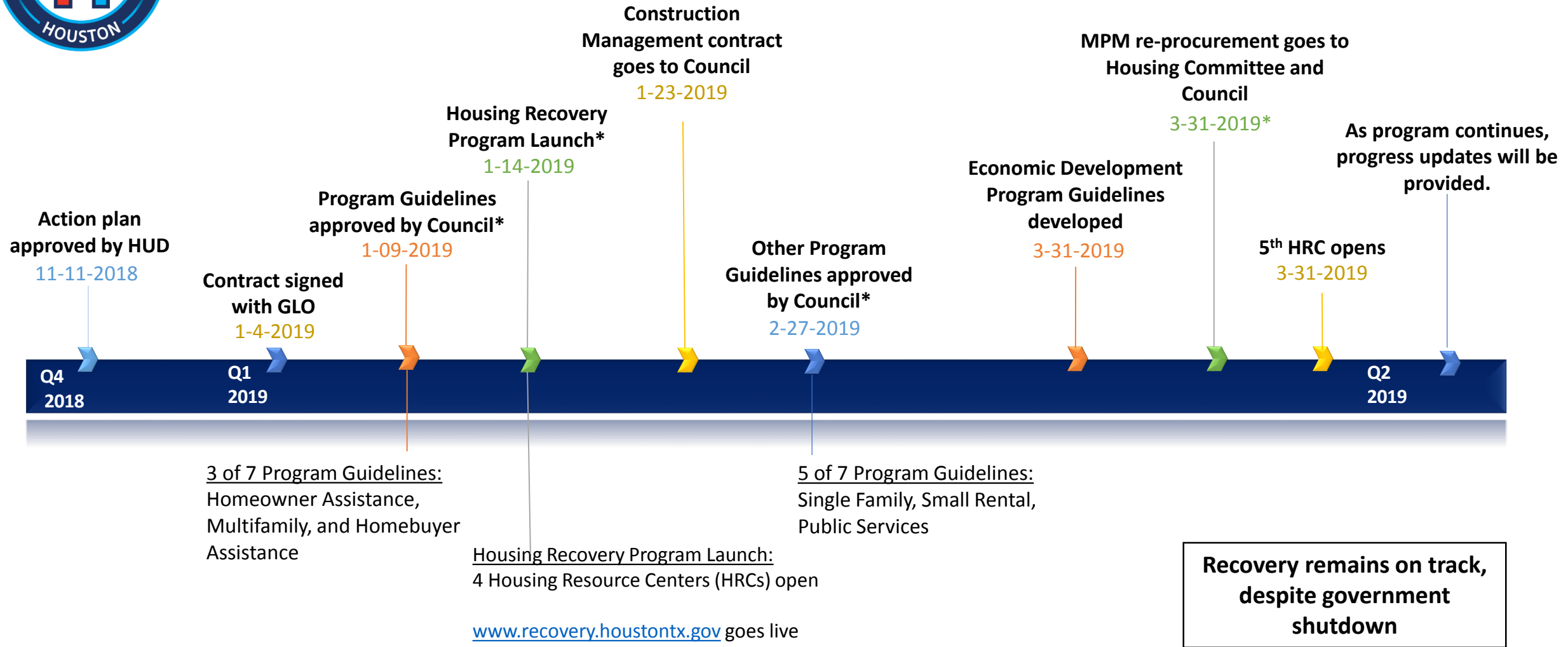
Program	Amount	Percent of Total	Description
Homeowner Assistance Program	\$392,729,436	33%	Five program options to assist eligible homeowners with their rehabilitation and reconstruction needs: City Managed Rehabilitation and Reconstruction, Reimbursement, Acquisition, Homeowner Managed Rehabilitation and Interim Mortgage Assistance.
New Single-Family Development Program	\$204,000,000	17%	Provide new affordable single- family homes for low- and moderate-income homebuyers to help replace affordable housing stock damaged/lost in Hurricane Harvey.
Multifamily Rental Program	\$321,278,580	27%	The development of new multifamily rental housing, the acquisition and/or rehabilitation of flood-damaged multifamily rental housing and strategic land acquisition for multifamily development to address the shortage of quality, affordable housing.
Small Rental Program	\$61,205,100	5%	Improve the affordable rental housing stock by rehabilitating small rental properties (1 – 7 units) damaged by Hurricane Harvey and creating new housing stock.
Homebuyer Assistance Program	\$21,741,300	2%	Provide funds for down payment, closing cost, principal buy-down and other direct financial assistance to homebuyers to finance the purchase of a home.

Program	Amount	Percent of Total	Description
Buyout Program	\$40,800,000	4%	Residential structures that have flooded more than once will be purchased and demolished to create park amenities, open space, or detention areas.
Public Services	\$60,000,000	5%	Services to support residents to find housing, remedy housing issues, or to become more resilient in future disasters, whether they be natural, economic or personal.
Economic Revitalization Program	\$30,264,834	3%	Help create jobs that will improve the economic viability for Houstonians and neighborhoods. Assistance may be provided through loans or grants.
Planning	\$23,100,000	2%	Community engagement to inform the City's recovery plan development. Funds may also be used to study specific topics related to mitigation or resilience or plan for specific projects.
Housing Administration	\$20,835,088	2%	Improve capacity to plan for and deliver high-quality programs and services with appropriate oversight.
<b>Total</b>	<b>\$1,175,954,338</b>	<b>100%</b>	

Additional \$100 M not included in these cost estimates. See slide 6 for increase in program amount



# HOUSING RECOVERY PROGRAM TIMELINE



Harvey Recovery Survey is the first step to redirecting residents to the best program for their needs





[RECOVERY.HOUSTONTX.GOV](https://RECOVERY.HOUSTONTX.GOV)

CALL  
**832.393.0550**



### HOUSING RESOURCE CENTERS

- 1** Northwest Housing Resource Center  
13101 Northwest Freeway, Suite 101  
Houston, TX 77040
- 2** Northeast Housing Resource Center  
9551 N. Wayside Dr. Houston, TX 77028  
(North Wayside Sports & Recreation Center)
- 3** Southeast Housing Resource Center  
11550 Fuqua Street, 3rd Floor  
Houston, TX 77034
- 4** Southwest Housing Resource Center  
6464 Savoy Drive, Suite 110  
Houston, TX 77036

### HOURS OF OPERATION:

**MON**  
9 AM–6 PM

**TUE**  
9 AM–6 PM

**WED**  
10 AM–8 PM

**THU**  
10 AM–8 PM

**FRI**  
9 AM–6 PM

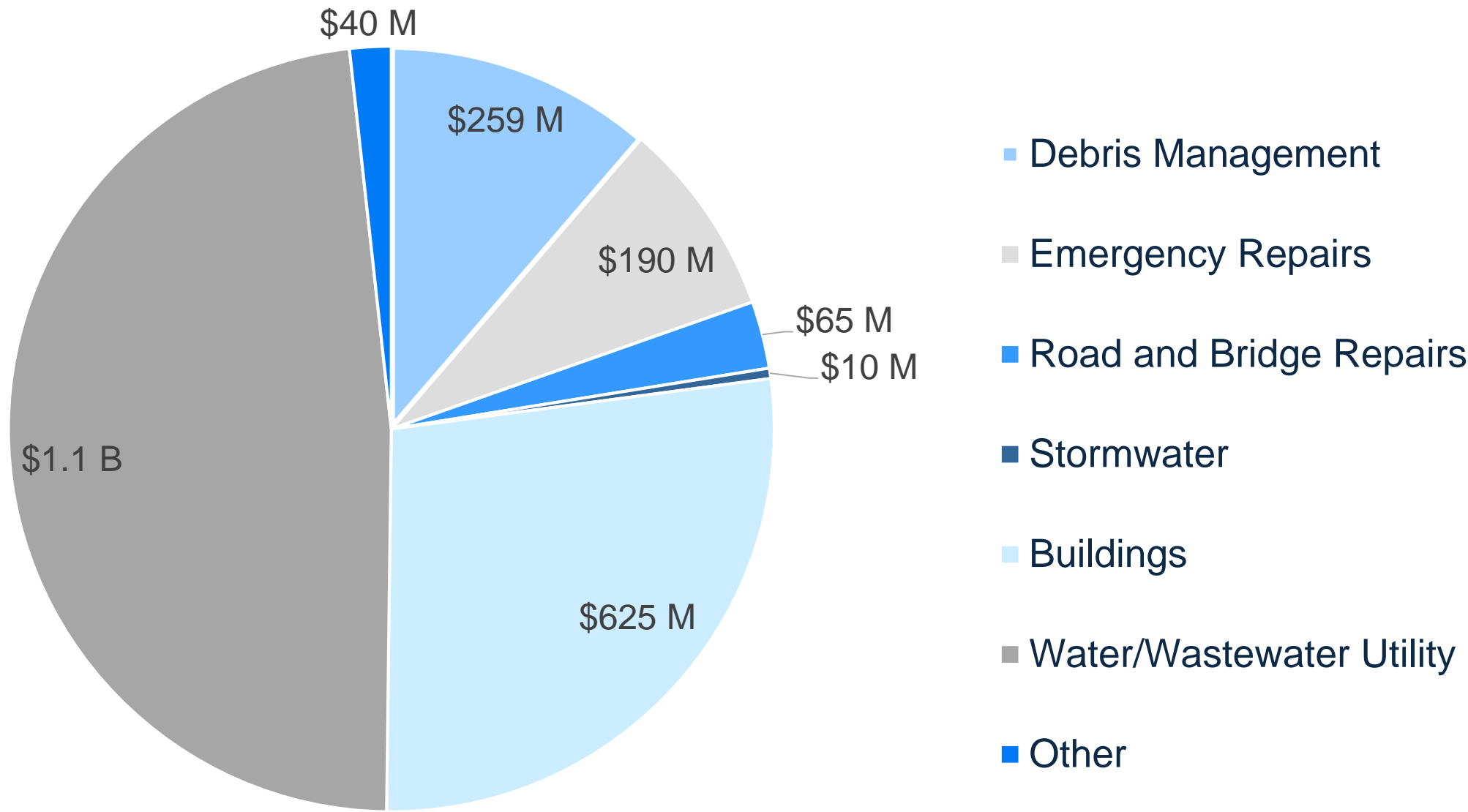
**SAT**  
9 AM–3 PM

**SUN**  
Closed



**FEMA  
PUBLIC  
ASSISTANCE**

# CITY FACILITIES & INFRASTRUCTURE | \$2B



# PUBLIC ASSISTANCE – FEMA (GSD+HPW+HOUSTON FIRST)

DAMAGES	EXAMPLES	COST ESTIMATE	ESTIMATED PROJECT
Category A - Debris Management	Citywide debris removal, Lake Houston debris	\$259 M	3
Category B – Emergency Repairs	Sheltering operation, clean-up of facilities, police and fire overtime	\$190 M	48
Category C – Road and Bridge Repairs	West Lake Houston Parkway Bridge	\$65 M	TBD
Category D – Stormwater	Drainage channels	\$10 M	TBD
Category E - Buildings	Wortham Theater and garage, City Hall, libraries, fire stations and other City assets	\$625 M	180
Category F – Water/Wastewater Utility	Waste water treatment plants, lift stations, pump stations and drinking water facilities	\$1.1 B	182
Category G - Other	Parks, flooded vehicles	\$40 M	20
Total		\$2.2 B	436

# PUBLIC ASSISTANCE PROCESS



\*Flow of funds through TDEM

# PUBLIC ASSISTANCE – STATUS

Amount Submitted  
through Grants Portal

**\$331M**

Obligated by FEMA

**\$12.5M**

FEMA share \$10.7M  
COH share \$1.7M

Received by COH

**\$4.8M**

\*Values as of 2/22/2019

**Weekly meetings with FEMA to prioritize projects to be obligated and processed.**





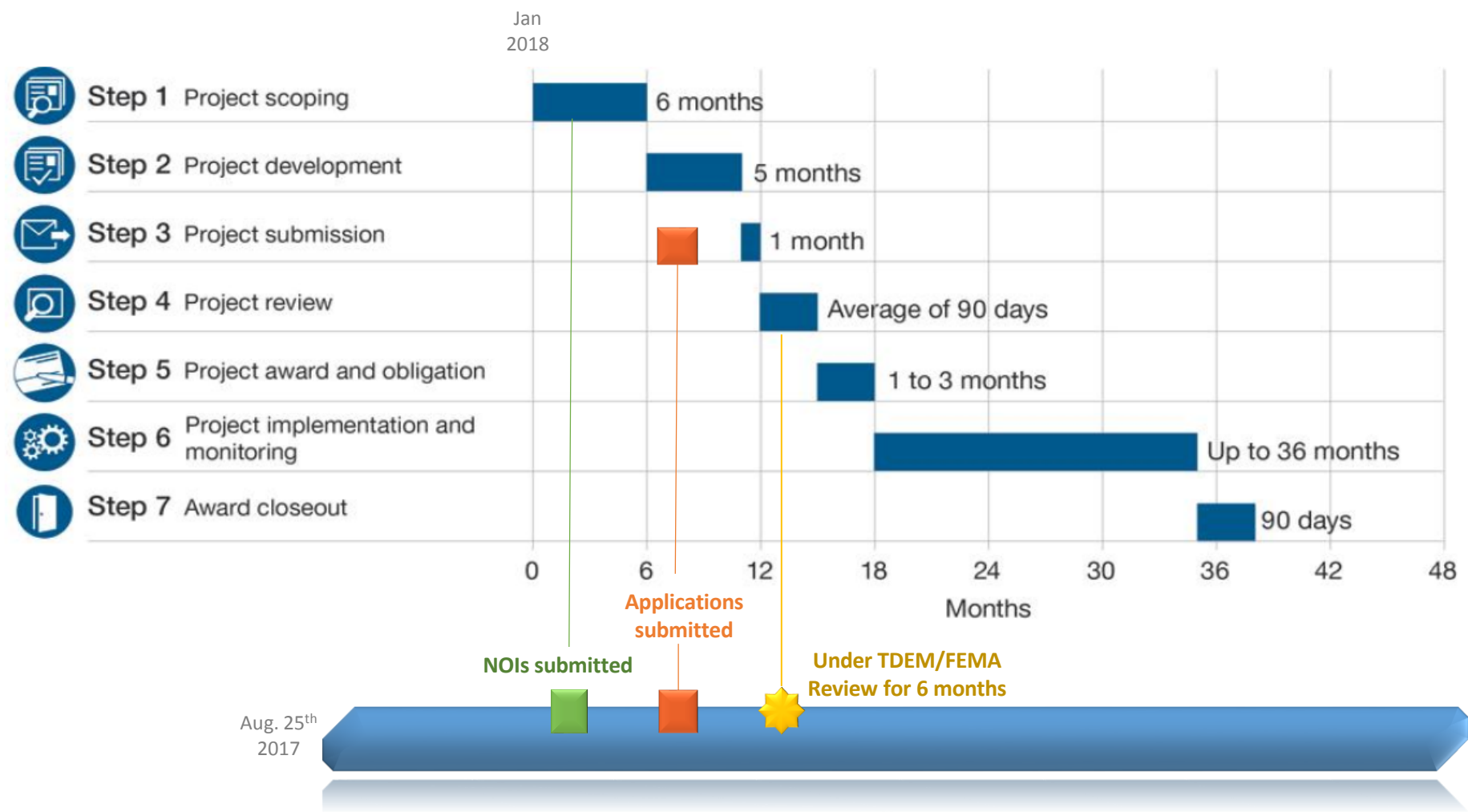


# HAZARD MITIGATION GRANT PROGRAM

PROJECT	DISTRICT	WATERSHED	COST ESTIMATE
<b>Inwood Golf Course</b> Linear Detention	A, C, B	White Oak	\$48.6M
<b>North Canal</b> Diversion Channel	C, H, I	Buffalo, White Oak	\$151M
<b>TIRZ 17</b> Underground detention and storm system improvements	G	Buffalo	\$60.4M
<b>Lake Houston Dam</b> Additional gate structure	E	San Jacinto	\$48.5M
<b>Individual Home Mitigation</b> Elevation and buyouts	All	All	\$53.2M

Project	District	Watershed	Description	Status	Total Cost Estimate (\$ Millions)	Match Split FEMA/Local Match	B/C
Inwood Golf Course	A, C, & B	White Oak	227-acre golf course to be converted to a set of detention basins, providing approximately 1,300 acre-feet of storage	Application was submitted 6/22/2018. The City has received 3 RFIs and has formally responded to RFI No. 1 and 2. Currently working with TDEM and FEMA to provide responses to RFI No. 3.	\$48.6	\$36.6/\$12	1.45
North Canal	C, H, & I	Buffalo; White Oak	Diversion channel at the confluence of White Oak and Buffalo bayous, southern/downstream channel for additional mitigation following I-45 realignment , and upstream reconstruction bridges in Heights and Yale for overall 100 year WSE reduction along White Oak and Buffalo Bayou	Application submitted on 7/24/2018. The City has received and responded to 1 RFI. Currently awaiting TDEM's recommendation of project to FEMA for further review. Project budget was modified on 12/31/2018 to increase local match to cover over 50% of project costs.	\$151	\$67/\$84	1.1
TIRZ 17	G	Buffalo	Underground detention basins and storm water system improvements and connections for additional storage and conveyance capacity	Application submitted on 12/31/2018. Awaiting TDEM and FEMA review.	\$60.4	\$45.4/\$15	1.1
Lake Houston Dam	E	San Jacinto	Addition of 10-gate structure to complement existing dam to allow for controlled releases	Application submitted on 7/23/2018. The City has received 2 RFIs and has formally responded to RFI No. 1. Currently in the process of reviewing and updating application in response to RFI No. 2. Currently working with TDEM and FEMA to provide responses to RFI No. 3.	\$48.5	\$36.5/\$12	0.75
Individual Home Mitigation	All	All	Buyouts, elevations, demolition, and rebuild application for individual homes	Applications have been submitted from June-December 2018. Awaiting TDEM and FEMA responses regarding award of funds.	\$53	\$39.9/13.3	

# HMGP SAMPLE TIMELINE



Regular meetings with TDEM and FEMA are being held to discuss projects and expedite review and approval of applications





Awaiting release of Federal Register Notice of Funding Availability (NOFA)

**NEIGHBORHOOD DRAINAGE | \$1.1B**

**COMMUNITY INPUT**

**HOUSING INVESTMENTS & DRAINAGE  
NEEDS**

**PARTNERSHIPS**

**FEDERAL RULES**

**INFORMATION TABLE**

**ONLINE SURVEY**

[bit.ly/drainagesurvey](https://bit.ly/drainagesurvey)

**EMAIL SIGN-UP**

[bit.ly/houstondrainage](https://bit.ly/houstondrainage)

**\*required for HUD funding**

# LOOKING AHEAD

Advance PA  
projects  
through  
discussions  
with FEMA

Expedite review  
of HMGP  
Projects

Advocacy for  
additional  
funding – CDBG  
DR Mitigation

Clarity of intent  
for legislative  
session: local-  
match



THANK YOU

